

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Yuichiro NAKAYA

Serial No.: Not yet assigned

Filing Date: July 22, 2003

For: **ENCODING METHOD USING PLUS AND/OR MINUS ROUNDING OF IMAGES**

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS DD**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 22, 2003

Sir:

In the matter of the above-identified application, this Information Disclosure Statement is being submitted with the following citation as specified in 37 CFR §1.97(d).

"A copy of any patent, publication or other information listed in an Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. §120."

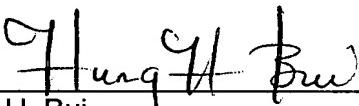
Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 09/513,688 filed on February 25, 2000; which is a continuation of application Serial No. 09/093,194, filed on June 8, 1998, now issued as U.S. Patent No. 6,295,376 and related application Serial No. 09/514,287 filed on February 28, 2000, now issued as U.S. Patent No. 6,560,367; application Serial No. 09/516,207, filed on February 29, 2000, now issued as U.S.

Patent No. 6,529,632; application Serial No. 09/516,245 filed on March 1, 2000; application Serial No. 09/875,872 filed on June 8, 2001, now issued as U.S. Patent No. 6,567,558; application Serial No. 09/875,928 filed on June 8, 2001; application Serial No. 09/875,929 filed on June 8, 2001, now issued as U.S. Patent No. 6,584,227; application Serial No. 09/875,930 filed on June 8, 2001; application Serial No. 09/875,932 filed on June 8, 2001, all of which, like the present application, are continuations of application Serial No. 09/093,194 filed on June 8, 1998, now issued as U.S. Patent No. 6,295,376.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (520.36323CX11) please credit any excess fees to such deposit account.

Respectfully submitted,

  
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**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

520.36323CX11

SERIAL NO.

Not yet assigned

APPLICANT  
Y. NAKAYA

FILING DATE  
July 22, 2003

GROUP  
Unassigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5	5	8	5	9	6	3					
		5	4	8	1	5	5	3	1/96	Suzuki	375	240.04	
		5	9	0	5	5	4	2	5/99	Linzer	348	699	
		5	6	5	9	3	6	5	8/97	Wilkinson	375	240.16	
		5	7	4	0	2	8	3	4/98	Meeker	382	248	
		5	0	5	4	1	0	3	10/91	Yasuda et al			
		5	4	8	6	8	7	6	1/96	Lew et al	348	719	
		5	6	0	4	4	9	4	2/97	Murakami et al	341	50	
		6	0	5	8	4	1	0	5/00	Sharangpani	708	551	12/96
		6	2	9	5	3	7	6	9/01	Nakaya	382	236	
		6	2	8	2	2	4	3	8/01	Kazui et al	375	240.16	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
		0	7	1	2	2	4	9					YES	NO
		0	7	1	2	2	4	9	5/96	European				
		0	7	3	5	7	6	9	10/96	European				
	1	1	0	6	9	3	4	5	3/99	Japan			XX	
	6	2	1	4	7	5	4		8/94	Japan			XX	
	0	7	1	2	2	4	9		5/96	European				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	M. Iwashashi, "A Motion Compensation Technique for Down-Scaled Pictures in Layered Coding", IEICE Trans. Commun., vo. E77-B, No. 8, August 1994, pp. 10071012.
	"Video Coding for Low Bit Rate Communication", ITU-T, International Telecommunication Union, Infrastructure of Audiovisual Services-Coding of Moving Video, 2/98.
	"Motion-Compensation Prediction Mode and Motion Vector Detection Method", The Journal of the Institute of Television Engineers of Japan, vol. 49, No. 4, April 1995, pp. 445-448.

EXAMINER   DATE CONSIDERED  

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

<b>FORM PTO-1449</b> U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	<b>520.36323CX11</b>	<b>Not yet assigned</b>
	APPLICANT <b>Y. NAKAYA</b>	
FILING DATE <b>July 22, 2003</b>	GROUP <b>Uassigned</b>	

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

**Y. Nakaya, et al, "Avoindance of Rounding Error Accumulation in Motion Compensation with Half Pel Accuracy », Proceedings of the 1998 IEICE General Conference, D-11-44, March 27-30, 1998, Tokai University, Hiratsuka, Japan.**

**EXAMINER**

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**FORM PTO-1449** U.S. Department of  
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**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

M. Chatel, "Classical versus Transparent IP Proxies," Network Working Group, March 1999, (web page). <a href="http://www.ietf.org/rfc1919.txt">http://www.ietf.org/rfc1919.txt</a> , [Accessed May 9, 2000].
"Nevod Adds Native Support for Multi-player Games including Diablo/Starcraft/Battle.net and Activision/Battlezone to its NAT1000 Internet Sharing Product Line," Nevod, Inc., Press Release, December, 14, 1998., <a href="http://www.nevod.com/products/nat1000_95.html">http://www.nevod.com/products/nat1000_95.html</a> .
F. Langa ed., "High-speed surfing," Windows Magazine, n 1002, Feb. 1, 1999.
F. Langa ed., "Easy, Low-cost Web Access," Windows Magazine, n. 1006a, June 15, 1999.
"Ositis Software Announces the Launch of WinProxy 3.0, The Complete Internet Sharing Solution", Ositis Software, Press Release, August 10, 1999.
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"Windows NT Network Address Translator" Microsoft Corporation, October 3, 1998.
K. Egevang et al, "The IP Network Address Translator (NAT)", Network Working Group, May 1994, [web page], <a href="http://www.ietf.org/rfc/rfc163.txt">http://www.ietf.org/rfc/rfc163.txt</a> , [Accessed January 22, 2000].

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